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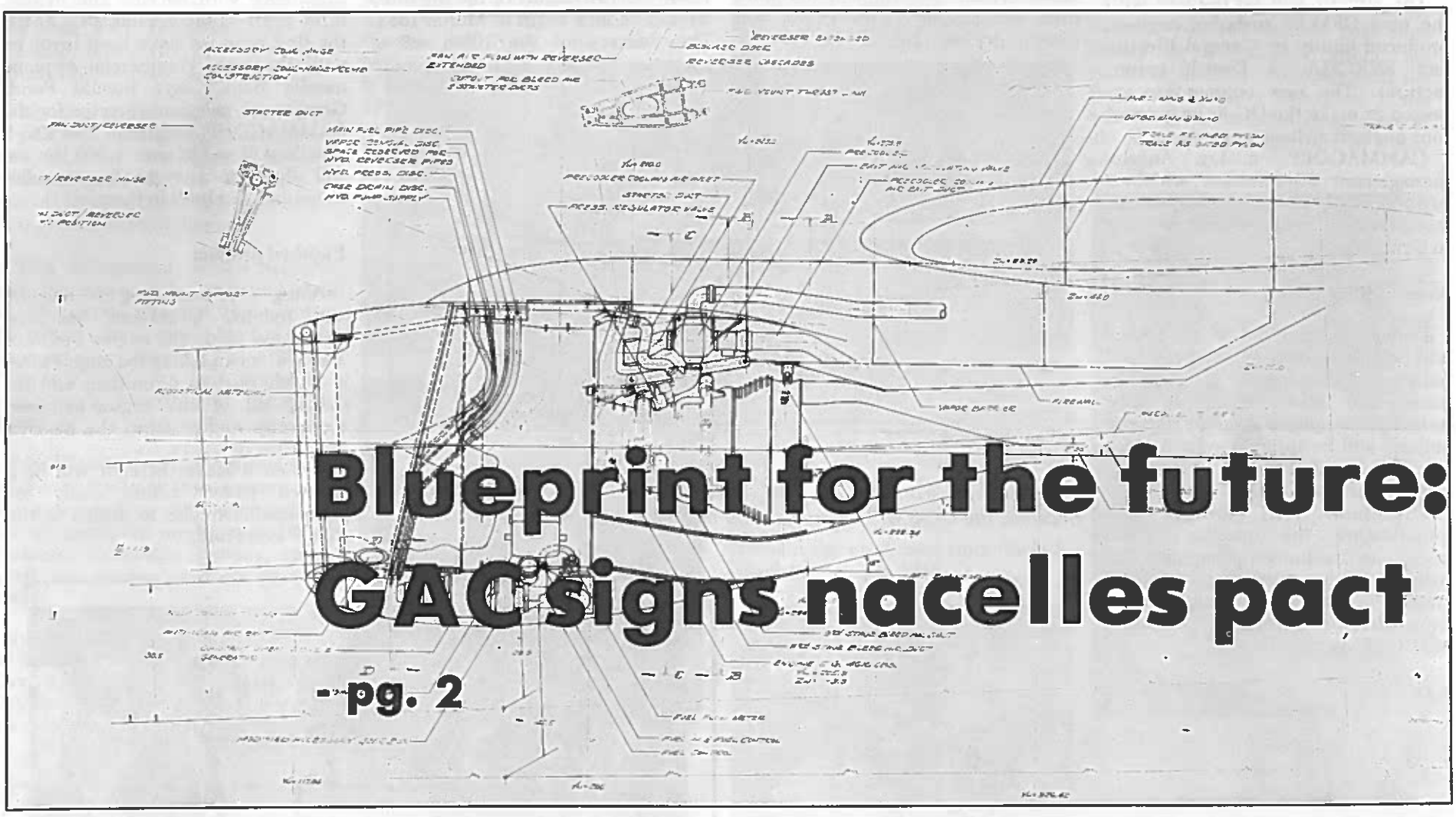

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Nacelle business boom: win $200-million pact

Grumman Aerospace has won a contract with a potential value of $200 million to produce nacelles and pylons for the re-engining of McDonnell Douglas DC-8 airliners.

The contract covers nacelles and pylons for 100 airliners and an option for 50 others. Since the DC-8 is a four-engined aircraft, 600 nacelles and pylons may be built by Grumman through 1985.

The aircraft will be re-fitted with the new CFM-56 turbofan engines, produced jointly by General Electric and SNECMA, a French manufacturer. The new engines are expected to make the DC-8 the quietest four-engined airliner in service.

CAMMACORP, a Los Angeles management organization which is supplying overall program management, awarded the contract to Grumman.

Noise reduction

Fitted with the CFM-56, the DC-8s will be able to comply with the new federal noise regulations scheduled to come into effect in 1985. The reduction in noise is so great that the engines will be suitable even if more stringent regulations are announced in the future, says CAMMACORP.

Grumman will design and manufacture the nacelles - the assemblies that house the engines. The pylons - the structures that attach the engines to the wings - will be built from designs provided by CAMMACORP.

The contract is Grumman's largest ever in the nacelles and thrust reverser field.

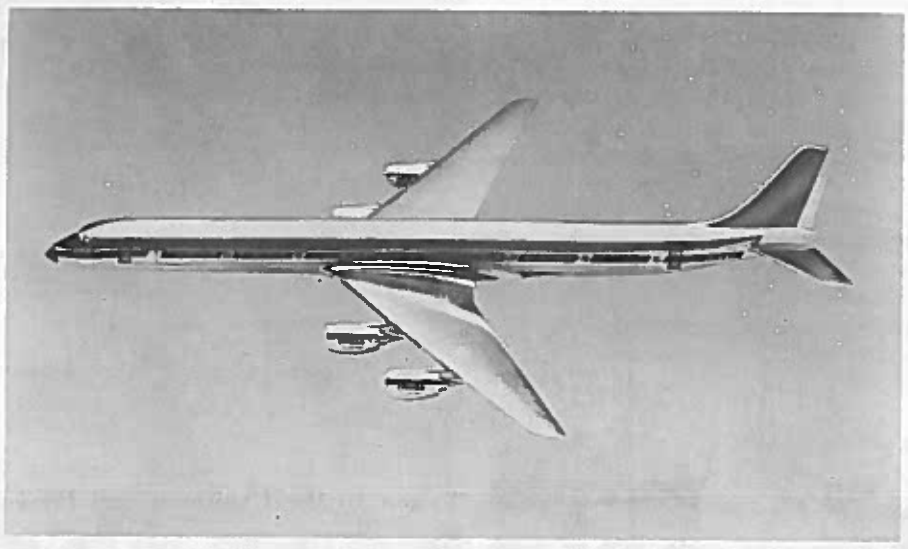
Drive to diversify

"Since we entered this market on a subcontacting basis in 1970, we've steadily increased our capability," says George Skurla, Chairman and President of Grumman Aerospace, in announcing the agreement. "To date we've delivered equipment for more than 425 aircraft, with almost 300 more under contract."

"This is another major move in Grumman Aerospace's concentric diversification drive for commercial business," added Skurla.

McDonnell Douglas will modify the aircraft to accept the new engines and will be responsible for the flight testing and certification of the airplanes. With the first nacelle and pylon delivery expected in November 1980, the first flights of the modified aircraft should begin in March 1981. The delivery of the 100th set of Grumman-built nacelles and pylons is scheduled for mid-1984.

The new CFM-56 engines will not only be quieter, they will also burn less fuel. This will allow bigger payloads and will increase the number of non-stop routes the DC-8s can serve.



New version. *With the CFM-56 engines, housed in Grumman-built nacelles, the DC-8 will be quieter and more fuel-efficient.*

Fuel efficiency

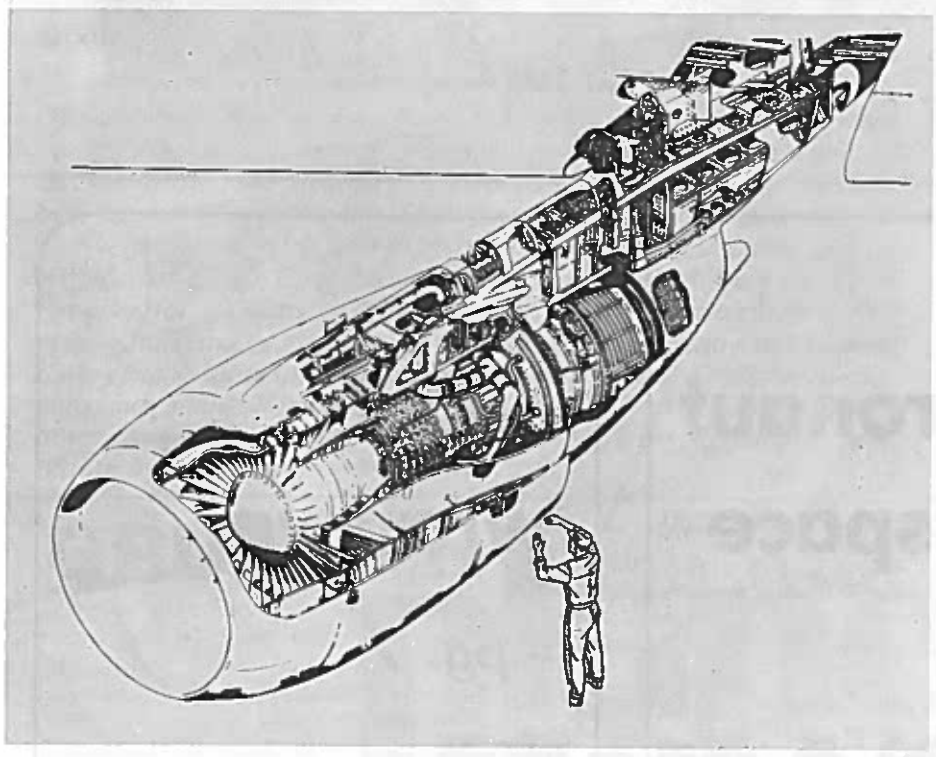
United Airlines, which will replace the engines on 30 of its DC-8s with CFM-56s, estimates that the new engines will improve fuel consumption on a trans-continental flight by 22 percent, and will extend the aircraft's range by about 1,000 miles.

Although Grumman has had long experience with nacelles and pylons, it has been on smaller models. "This is the first time we have been involved with the large commercial airplane nacelle field," says Ronald Pond, Grumman's program director for the CAMMACORP program. The DC-8 nacelle will weigh over 1,000 lbs. vs. 160 lbs. for the smaller nacelles Grumman has built in the past.

Finished product

Along with producing the nacelles and pylons, Grumman has also contracted to do the engine buildup. This will mean taking the engine after it is delivered to Grumman and installing all of the engine-mounted accessories and systems, the nacelles and thrust reversers.

"When it leaves here, it will be a finished power plant, ready for McDonnell Douglas to attach to the wing," says Pond.



Close-up. *This drawing of a nacelle housing the CFM-56 engine indicates the size of the structure.*

Affirmative action. *Charles Brown, director of Point Mugu Operations, (2 - 1) accepts the NAACP Award of Merit from Walt Jourdan (C), chairman of NAACP's Labor and Industry Committee. The group chose Point Mugu Operations as the recipient of its 1979 award "in recognition of meritorious services rendered to minorities through positive affirmative action programs, equal opportunity employment and employee development." Also present were James Henry, Grumman support group leader and past president of the Ventura County NAACP (L); John Torkelson, Personnel manager (2 - R); and Joe Rivera, personnel administrator (R).*

Advance four to senior VP posts in further move to expand business

Four new senior vice presidents for Grumman Aerospace were announced recently by George Skurla, Chairman and President.

The four are: Tom Guarino, senior vice president - Aerospace Programs; Gordon Ochenrider, senior vice president - Washington, D.C., Operations; Carl Paladino, senior vice president and Treasurer; and Phil Vassallo, senior vice president - Corporate Procurement Operations.

The new appointments were made as part of a management realignment that included the election of John O'Brien and Michael Pelehach as executive vice presidents and members of the board of directors.

"This realignment, which strengthens our management structure, will enable us to broaden our product horizons, and seek further subcontract diversification," said Skurla. "In this way we can insure the company's continuing financial health."

Tom Guarino was vice president in charge of Program Management until his appointment, with responsibility for all aerospace programs including trainers, simulation systems, spacecraft and marine products, and aircraft.

Guarino joined Grumman in 1961 as an advanced systems group leader. He then became program manager for Grumman's electronics countermeasures aircraft, the EA-6B Prowler. In 1970 he was named program director for the C-2 Greyhound and the E-2 Hawkeye, managing the E-2's early development and production phases.

He was elected a vice president in 1975. One year later, Guarino assumed duties for the coordination of program management activities relating to international aircraft sales. Later on that year, he was appointed director of Navy programs with responsibility for the F-14 Tomcat, A-6 Intruder, and E-2 programs. In 1977 he became director of aircraft programs, assuming management of the EA-6B and the Air Force's EF-111A programs as well.

Tom Guarino

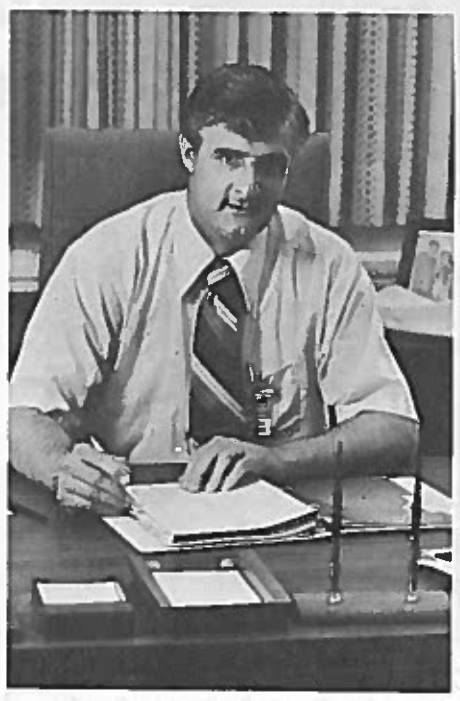
Guarino is a graduate of C.W. Post College, and holds a Master of Science degree in industrial management engineering from Columbia University.

Gordon Ochenrider has been a vice president since 1967. After 12 years as a Navy jet fighter pilot, he came to Grumman in 1955 as assistant administrator of the Flight Test Department. In 1958, Ochenrider was appointed senior European representative of the corporation, based in Switzerland. While still in Europe, he became Grumman's business development representative and served in that position from 1961 to 1963.

In 1963 Ochenrider returned to the States, and became director of business development in 1965. He held that post until 1970, when he became special assistant for customer liaison to the Chairman and President. Ochenrider was transferred to the nation's capital in 1974 to serve as director of Washington Operations for Grumman Aerospace.

Ochenrider graduated from the U.S. Naval Academy in 1943.

Gordon Ochenrider



Carl Paladino

Carl Paladino was elected vice president in 1975. He joined Grumman in 1956 as a staff accountant, a position he held for three years. He was promoted to manager of the Contract Cost Analysis Department in 1959, and in 1963 was named chief accountant of the corporation. In 1966 he became assistant treasurer, and was named treasurer three years later.

Paladino is a member of both the New York State Society of Certified Public Accountants and the American Institute of Certified Public Accountants.

A graduate of Hofstra University, Paladino received his New York State license as a certified public accountant in 1956. He completed the Program for Senior Executives in the School of Industrial Management at the Massachusetts Institute of Technology.

Phil Vassallo

Phil Vassallo, who was elected a vice president in 1976, came to Grumman in 1957 as a structural engineer. In the early 1960's, he got his first exposure to procurement, traveling around the country as part of an engineering-manufacturing-procurement team, dealing with suppliers for the F-111 and Lunar Module programs. He later moved to machining operations where he was named assistant to the director in 1967, deputy director in 1969, and director in 1970.

His next assignment was as deputy director of Manufacturing Operations, a position he held from 1973 until November 1974 when he became director of corporate procurement operations.

Vassallo is a graduate of Manhattan Technical Institute. In 1974 he completed the Program for Management Development at the Harvard Business School.

GRUMMAN plane news

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Editor
Kathy Housley
Ext. 3293

Associate Editors
Gerry Kirshenbaum Ext. 5118
Norine Lyons Ext. 5119

Editorial Assistant
Clare Gorman
Ext. 8999

Plane News from outside line
516-575-3293

Mohawk future. *Plans to convert up to 18 more Mohawks at Grumman's Stuart facility were discussed at the OV-1 Users Conference held in Florida recently. This would take the contract with the U.S. Army into 1985. A total of 128 participants - representatives of the Army and the manufacturers of the Mohawk and its equipment - attended the three-day conference to exchange information, discuss problems and plan the future of the Mohawk. Although no new Mohawks have been built since 1970, Stuart has been kept busy maintaining, rebuilding and converting the Army's Mohawk fleet. Looking at a Mohawk model during the conference were (L. to R): Lt. Col; Bill Gardner, Headquarters, Training and Doctrine Command; Col. Bruce Crowell, project manager, Special Electronic Mission Aircraft; Lt. Col. Don Taylor, Deputy Chief of Staff's Office, Research, Development and Acquisition; Tom Doyle, Grumman Mohawk program manager; Major General Richard Thompson, Commander, Troop Support and Aviation Material Readiness Command; Joseph Cribbins, Aviation Officer, Deputy Chief of Staff's Office, Logistics, Department of the Army; and Joe DiMaggio, Grumman Army marketing manager.*

Milledgeville visiting day. *Over 70 representatives from government and the aerospace industry attended an Air Force/Industry Briefing at Milledgeville Operations in Georgia recently. This was the largest group of visitors ever to come to Milledgeville. The group visited the Grumman-designed Integrated Laminating Center for a demonstration of the fully automated manufacture of composite laminates. Another highlight of the one-day briefing was a tour of the facility where they saw the manufacture of the horizontal stabilizer of the Sikorsky S-76 helicopter.*

Merritt discovers quick-fixes hold hidden eye hazards

It was a typical Saturday afternoon chore. The starter needed replacing, and it had been a simple matter to scoot under the car and remove the old one. Now he began to install the new one and he held the starter above his head, maneuvering it into place. Suddenly his greasy hands could no longer hold on and the starter slipped, its sharp-edged bracket falling straight at his eye.

What could have been a tragic loss of eyesight for Julian Merritt, a program planner in Plant 1, turned out to be only a fright. The bracket didn't hit his eye. It only smashed into his safety glasses, prescription glasses that Merritt always wears while working around the house.

Since they were industrial safety glasses provided by Grumman, the impact of the falling bracket only shattered the lens into small, round-edged pieces. A serious injury was averted.

Saving his sight by wearing industrial safety glasses earned Merritt membership in the Wise Owl Club, a national organization sponsored by the National Society for the Prevention of Blindness. There have been 90 Grummanites who have become eligible to join the society by avoiding a similar tragedy wearing safety glasses, either on or off the job.

Merritt has been wearing safety glasses for the past four years, although they are not necessary for his work. He needs glasses for reading but ordered prescription safety glasses as a precaution.

Because his work at Grumman is not in hazardous areas, Merritt had to pay for the glasses, but the price was subsidized by Grumman. Those who do work in hazardous areas can get their glasses free of charge.

So-called "safety glasses" are also available from opticians and optometrists outside Grumman. While they do offer more protection to the eyes than regular glasses, they are not designed to take the impact as well as industrial lenses. These "street-wear" safety glasses may sometimes look more fashionable, but their lenses are only 2 mm. thick vs. 3 mm. for industrial safety glasses.

The glasses provided by Grumman also have a special frame design, with extra-deep safety grooves holding the lenses. This prevents the lenses from being pushed back into the wearer's eyes when hit by an object.

Even indústrial safety glasses are not completely shatter proof. They will withstnad a greater impact than ordinary safety glasses however, and if they shatter they break into smooth-edged pieces, or disintegrate into a powdery substance. Other glasses shatter into sharp, jagged-edged particles when broken.

Employees may order industrial safety glasses through the Safety and Hygiene Offices in their plants. Grumman opticians visit most plants on a regular basis and information on their schedules is also available in the Safety Offices. For other information on the safety glasses program, call the Plant 2 opticians office on Extension 2628.

Saving sight. *Julian Meritt looks at the plaque he received commemorating his membership in the Wise Owl Club. Club membership is awarded to anyone whose sight is saved by wearing safety glasses. (Photo by Larry Van Wallendael)*

calendar

Aikido Club: every Mon. and Wed., 5 p.m., Pl. 35 cafe; for sport and self-defense; L.I. Aikido Federation; all guests welcome. Bob Bauman, Ext. 2910/Mike Stock, Ext. 7186.

Alcoholics Anonymous: every Mon., 5 p.m., Pl. 15 conference room C; closed meetings; Personnel Relations; Ext. 3521; Calverton: Chemical Dependency Discussion Group, every Mon. 4-5 p.m., Hdq. Bldg.; open meeting. Chick Robb, Ext. 6526.

Coin Club: every Wed., 12:05 p.m., Pl. 25 vendor conference rooms; informal lunchtime meeting. Ken Hale, Ext. 3717.

Coin Club: (Calverton): every Fri., 1st noon lunch, Pl. 6 conference room; U.S. foreign coins, medals, collectables; guests welcome. Wally Kondratowicz, Ext. (117)6680.

Dance Club: every Wed., 5-8 p.m., American Legion Hall, Plainview; June 27: Cha-cha/July 11: Hustle & Cha-cha; guests welcome. Edith Murway, Ext. 2263/Marv Brown, Ext. 6752.

Duplicate Bridge Club: every Thurs., 6 p.m., American Legion Hall, Plainview, open competition; guests welcome. Warren Lipman, Ext. 2407.

Day in the sun. *Scholarship winners and alternates are (L to R) John Ross, Viking Hedberg, Christopher Kerr, Robert Schoder, Kevin Kalenty, Michael Wright, Joel Davidson, Charles Buscemi, James Porter, Grumman Corporation President Joe Gavin, Ira Lehrman, William Merrill, Catherine Burke, Paul Merems, guest speaker Fred Haise, Kenneth Gluck, and Norman Hunt. (Photo by Marie Trimborn)*

Skurla named to FIT board

George Skurla, Chairman and President of Grumman Aerospace, has been elected to the Board of Trustees of the Florida Institute of Technology, Melbourne, Florida. He will serve a three-year term on the Board, the governing body of the private, co-educational university. Founded in 1958 to serve the scientists and technologists at Cape Kennedy, F.I.T. offers programs in science and engineering. There are 5,000 students in the school's undergraduate and graduate divisions.

Haise to scholars: 'Find a job you care about'

"Find something to do with your life that doesn't seem like a job; something you do just because you enjoy it and care about it. I think that's the key," said astronaut Fred Haise, who is soon to be Grumman Aerospace's newest vice president.

He was addressing the attendees of the annual Grumman Scholarship luncheon, held on June 5 at the Holiday Manor in Bethpage. The scholars, their parents, and guidance counselors met with Haise and top Grumman officials.

Haise's advice to the scholars was based on his own experience during 20 years with NASA, and on his expectations for his new post directing Space Programs for Grumman.

"People ask me why I'm leaving NASA," said Haise. "We all get older, and you can't fly forever. That's why I wanted to get involved in building things for people who still can."

Observing that the winners of the Grumman Engineering and Science Scholarships were obviously "high achievers," Haise said that there was no need for him to make a "rah-rah, go-get-'em speech, urging you on to excellence. You've all got that."

Instead, Haise said he preferred to talk about space travel. In a short slide presentation, he discussed the possibilities opened up by the Space Shuttle program; including experiments onboard Space Lab, and the building of large structures in space for communications and solar power. Haise was to have flown the Shuttle as commander of one of four crews, slated for the early '80's.

In his address to the scholars, Grumman Corporation President Joe Gavin stressed how quickly things have happened in the brief history of human flight.

"It's only 75 years since the Wright Brothers took off; a little over 50 years since Lindbergh's transatlantic flight; and 30 years since the breaking the sound barrier," said Gavin. "It's 20 years since the beginning of jet travel, and it's almost the 10th anniversary of the moon landing. We're already approaching the 50th anniversary of this company, Grumman, whose business has primarily been in defying gravity.

"In the career span of our young people here today, a lot of very exciting things will happen; things that none of us could possibly foresee," said Gavin.

At the conclusion of the luncheon, Gavin and Haise presented certificates to the scholarship winners and alternates.

Haise to leave NASA in July; will become GAC VP-Space

Fred Haise, the astronaut, is leaving NASA.

The pilot of the "Enterprise" and member of the Apollo 13 crew will join Grumman Aerospace in July as vice president-space programs.

Haise, presently a commander of one of four Space Shuttle crews, has been with NASA for 20 years. He was one of the original 19 astronauts selected in April 1966 for the Apollo program.

Grumman Aerospace Chairman and President George Skurla said, "Haise's appointment represents our increased commitment to the growing business opportunities in military and civilian space programs, both within the Department of Defense and at NASA. Grumman is particularly interested in space surveillance and defense, and in space construction.

"Haise's extensive experience as an experimental test pilot and astronaut means that we're getting a seasoned systems engineer who is adept as an operations and technical manager as well," Skurla commented. "Although he will be a new corporate officer, Haise is no stranger to Grumman products."

Haise joined NASA in 1959 as a research pilot, and became an astronaut seven years later. His career encompasses the first generation of manned space flight and the beginning of a new era -- space industrialization -- using the Shuttle Orbiter, the first reusable spacecraft.

In 1970, Haise was the lunar module pilot for Apollo 13 (Aquarius). The flight was to be a 10-day mission, landing on the moon. However, the mission was disrupted due to a failure in the oxygen system about 55 hours into the flight.

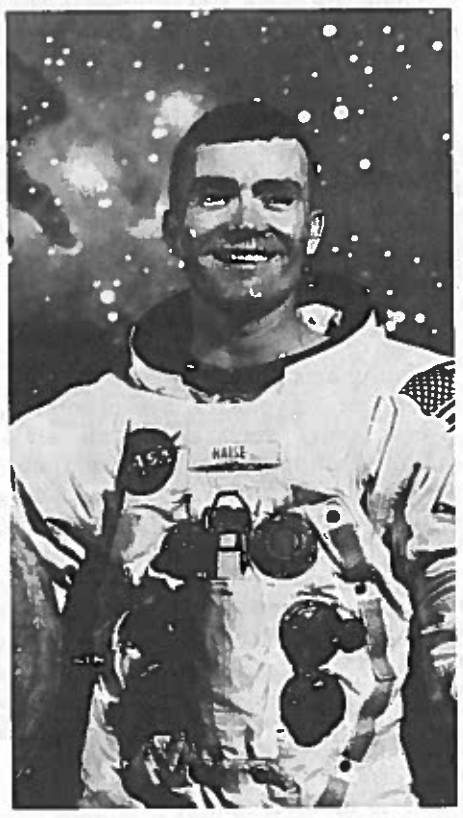
Working with Ground Control at Houston, Haise and his fellow crewmen, James Lovell and John Swigert, converted the Grumman-built LM into a lifeboat and returned safely to Earth.

In 1977, Haise was commander of the Shuttle Orbiter "Enterprise" on its first free flight.

Haise graduated from Perkinston Junior College, Perkinston, Mississippi, with an associate of arts degree. He received a bachelor of science degree with honors in aeronautical engineering from the University of Oklahoma at Norman. He also graduated from the U.S. Air Force Aerospace Research Pilot School at Edwards Air Force Base, California, and completed the Program for Management Development at the Harvard Business School.

He began flight training as a Naval aviation cadet and took his commission with the U.S. Marine Corps as a fighter pilot. He ended his military career as a flight instructor in 1956, but was recalled into the U.S. Air Force during the Berlin Crisis (1961) for one year.

Haise's new office at Grumman will be in Plant 25.



Fred Haise

Long lines, grumbling Grummanites; local stations suffer shortages

The gas station manager leans back in his chair and frowns as he rubs his blue tee-shirted belly.

"This whole thing is giving me an ulcer," he says. Like so many other people, he is talking about the gasoline shortage.

"It's driving me crazy. They keep cutting back my allocations and I have to cut back my hours. I feel bad when I have to close. About 90 percent of my customers are from Grumman, and they depend on me for gasoline to get back and forth from work. I feel like I'm letting them down, and there's nothing I can do about it."

His name is Richie Doyle, and he's been working at a Mobil station in Bethpage since he was 15. His father owned the station then. Richie is 37 now, and the station has been his for a year. The walls are decorated with Grumman decals and Tomcat stickers.

"The latest I stay open now is about six or so. If I kept to my regular hours, I'd run out my allocation in about two weeks. Grumman has a lot of people on the night shift, and I really feel sorry for them," he says.

Gas pains. *Empty pumps mean no business and a long afternoon for this station attendant. (Photo by Marie Trimborn)*

Richie's allocation had been 70,000 gallons per month. He's now down to about 80 percent of that and expects to be cut back further. He had been out of gas for the long Memorial Day weekend; after being dry for three days, his pumps didn't work when he finally got his delivery on Tuesday. Richie sits in his office, watching cars pull in and then pull out again. "Look at that," he says. "It's after three o'clock, and we're not pumping yet. We still haven't gotten those things working. They're ruining me."

He reaches into a desk drawer and pulls out a handful of papers. "Look at this," he says. "This is a request for an emergency delivery. It was sent to the New York State Energy Office."

Under Part C, (indicate reason for hardship and describe use of the product) he has written, "...Grumman employees depend on the use of this service station....Unless I receive this emergency allocation I will be forced to lay off three of my employees who have families to support and to cut back my service drastically."

"I filled it out a month ago, but they turned me down," Richie says.

So far, he's been able to avoid letting anyone go. "I've still got the same rent and the same salaries to pay, so what goes up is the price of gasoline. The other thing is that I'm losing money on shop work. People are spending so much time waiting on line for gas that they feel too rushed to have maintenance checks. A lot of people hesitate to say 'check the oil' when there are 10 cars waiting in back of them."

About a mile south from Richie Doyle's station, Bethpage Shell's manager Frank Scorzelli says that people don't even complain about the prices anymore. "They did at first, but now they're happy to get anything. It's kind of pathetic," Frank says.

His busiest hours are before 8 A.M. and after 4:30 P.M.; he estimates that about half of his customers are Grummanites. "And most of them are only one to a car. All the stuff you hear about carpooling is just a lot of talk," says Frank.

He thinks that one way to end the long lines is to post a minimum sale. "Too many people are just topping off. My average sale is about a third of a tank, but a lot of people come in that don't really need gas at all. And they all tell you that their gas gauge is broken. On Saturday, I had three sales of under a dollar. Can you believe that? Forty-nine cents, fifty-eight cents, and sixty-five cents. And they had to wait a long time to get it, too!"

On call. *Station manager Frank Scorzelli gets ready to rescue yet another out-of-gasoline motorist.*

Service stations near Grumman plants in Great River, Calverton, Melville, and Garden City report the same difficulties.

In Great River, a station manager named Mike says he dreads the late afternoon rush.

"You know, I've been in this business for 28 years," says Mike. "Made enough money, and I've got a nice group of regular customers -- from the neighborhood and from Grumman. But you know what I've been thinking lately? Every Friday afternoon around three o'clock when they start lining up and they're all angry about the prices, I start thinking about how great it would be to own a nice little bakery."

Running on empty. *Richie Doyle tries to schedule his station's hours around next month's deliveries.*

Planning for the shortage as GAC pumps are pinched

Grumman may be an aerospace company but it does a lot of traveling on the ground. And like everyone dependent on wheels these days, Grumman is learning how to live with a fuel shortage.

There are some 190 vehicles in the Grumman fleet at Bethpage, ranging in size from little panel vans to huge tractor-trailers. All drink gasoline.

"Our allocation has been cut each month, anywhere from 10 to 20 percent, since February," says Transportation Manager Harry Milne. "We have to get along on a lot less gasoline and the amount we get differs from month to month. We had to eat into our June allotment before the end of May so it's been a worry."

Grumman's business is particularly dependent on vehicles. For example, several times each day mail and cafeteria supplies must travel between Bethpage and Calverton. Twice a day a load of parts is sent to Calverton and large trucks, laden with huge assemblies, head eastward on a regular basis. For a company spread out all over Long Island, road transportation -- and gasoline -- is vital.

Even in Bethpage itself, the company is spread out over almost 600 acres, and getting from Plant 1 to Plant 30 involves almost two miles of travel. Indeed, sending something from Plant 1 to the far reaches of Plant 11, located west of New South Road, involves a trip of nearly 2½ miles.

Despite these distances, "Fill 'er up" is no longer heard at the Grumman gas pumps in Plant 20. To make Grumman drivers more aware of the need to conserve gasoline, a maximum of only four or five gallons is now pumped into each vehicle at any one time.

To keep the vehicles going as long as possible on their short rations, drivers are learning not to leave engines idling while waiting; they shut them off as quickly as possible. Routes are carefully planned so drivers can double up on errands. Drivers making trips between Bethpage and outlying plants must now wait for a full load before setting out with non-urgent materials.

Milne also sees future problems with jet fuel as well. Plans are now underway to build a huge storage tank at Calverton to build up a reserve of one million gallons of jet fuel.

"Right now," says Milne, "we don't have a shortage because we aren't producing a lot of airplanes, but our fuel allocation doesn't carry over if we don't use it. With a storage tank we can save the fuel for the time when we do need it."

sports wrap-up • sports wrap-up

Women's pin team repeats as L.I. tourney champions

Anyone who's been following the Long Island Industrial Women's, bowling circuit in recent years can confidently say that Grumman fields a mighty team. This year's results only substantiate that claim. Grumman's varsity is a championship squad.

From the outset of the 36th annual L.I. Industrial tournament, it looked like another glorious year. The Grumman women would once again take the championship title. The only question was by how many pins? Could they beat the all-time total pinfall record they set last year? Would a Grumman woman capture the best bowler award?

The Grummanites took no time in building a big lead on the first night of play. Lu Ann Calsetta led the way with a 204-716 four-game series. Arlene Schwemmer contributed a 219 game in her 711 series. Bella Cherry rolled 208-703, while newcomer Carol Glasser chipped in 685 pins.

On the second night, the Grummanites widened their lead to 379 pins over second-place Sperry. Maureen Croes had high series for the varsity with 718. Teammates Schwemmer, Cherry and Glasser contributed series of 702, 701, and 681, respectively.

Going into the final stretch, both Cherry and Schwemmer were in the running for top kegler of the tourney, but the 85 and 94 pin (respectively) spread was too wide a gap to fill. Donna Schrimpe of Nassau County eventually captured the best bowler award with a total pinfall of 2,281 for a new tourney record.

In recent tourneys, there has been a constant battle between Schwemmer and Schrimpe for the best bowler award. Unfortunately, Schwemmer has never caught the record-holder. Last year, she came as close as 18 pins. "I was disappointed this year," reflects Schwemmer. "Donna was really bowling well, and my game was not up to par."

Still, Schwemmer was able to join her teammates in the winner's circle once again to accept their 19th L.I. championship trophy. Some observers might view it as a bittersweet victory. In the two previous tourneys, Grumman had set all-time tourney records in total team pinfall. This year, they fell 114 pins short of breaking the record.

But even if they have to wait another year to break records, this varsity team proudly accepted the 36th annual L.I. Industrial crown...to thunderous applause. To observers of this bowling classic, it seems that the Grumman women have not only built themselves a winning dynasty, but a rather enviable reputation of being good sports. Even friends of the opposing teams could be seen rooting for the Grummanites.

Queens of the Lanes. *Grumman's women's bowling team, winners of the L.I. Industrial Bowling Tournament with the silver plates presented to each player. From left to right: Maureen Croes, Lu Ann Calsetta, Arleen Schwemmer,Carol Glasser, Chet Baumgartner, Director of the G.A.A. holding championship trophy, Sandy Ritz, Donna Birkel and Bella Cherry. Missing is Rose Daley.*

Shooting Stars. *Grumman's intramural basketball champions, the Stars, went unbeaten this season. Kneeling, left to right are: John Ebron, Nathaniel Kelly and Al Powell. Standing, left to right are: Columbus Poole, Gary Flynn, Jim Washington, Rudy Green, Tom Marion and Dorian Jung. Coach Glen Weeks and John Garrett are missing from picture.*

Stars highlight hoop league in recording perfect season

This season, the Stars set a record that might be equalled — but never broken — in the GAA intramural basketball league. They finished the season with an unblemished record of 20 wins and zip losses.

The Stars fielded a well-rounded championship squad: centers Nathaniel Kelly and John Ebron; guards Rudy Green, Gary Flynn and Glen Weeks; and forwards Al Powell, Columbus Poole, John Garrett, Dorian Jung, Tom Marion and Jim Washington.

During regular season play, the 1979 champs outscored the opposition 1,442 to 1,125 — 317 points. They were so merciless towards the Marauders in the first two games, 101-87 and 106-61, that the Marauders forfeited their last bout.

Overcome

The Frontrunners were also overcome by the shooting Stars and lost their battles, 82-99, 69-90, and 100-119. Also joining the casualty list was the MD's team by scores of 82-60, 123-74 and 117-83.

Center Nathaniel Kelly admits his team did have to fight a little harder against the Chairmen of the Boards... " a youthful team who almost outran us." But the Stars continued their trek to the top with scores of 89-83, 103-89, and 104-96.

The Over-the-Hill Gang, consisting of former varsity stars, didn't pose too much of a problem in regular season play. The Stars outshot them, 106-74, 108-87, and 95-80.

After trouncing the Frontrunners in the semi-final playoffs, 109-71, the Stars began the best-of-three finals against the Over-the-Hill Gang. Kelly respectfully compares them to the Washington Bullets..."a well-seasoned team that's hard to beat in the final rounds; their adrenaline really begins to flow."

Pressure's on

The Stars handled their first outing delicately and beat the seasoned vets, 98-88. But it was during the next game that the pressure of completing an undefeated season began to take its toll on the Stars. "If we blew this next game with the Over-the-Hill Gang, it would take us too long to recoup from the shock of our first loss," reflects Kelly. "We knew we had to win."

It didn't look so bright in the fourth quarter. At the final buzzer, both teams were tied. In overtime, the Stars really felt the pressure. But they used the techniques that worked so well for the Grumman varsity hoopsters this past year — much to the chargin of Tony Razziano, the Gang's coach and also leader of the Hellcats.

The Stars controlled the boards and forced their opponents into foul trouble. The strategy worked. The Stars were victorious, 91-86. They'd completed that perfect championship season.

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Great River Green league. Winners: No. 6 (L to R) Rocky Famiglietti, Joe Stalzer, Bob Ruotolo, and Greg Ryan. Top kegler: Jerry White with 183 average. High game: Al Kaste, 260. Sweepstake winners: Vinny DiBartolo (ball), Robert Kriston (shoes), and George Stahl (bag).

Masters league. Winners: Soul Brothers (L to R) Grover Hart, Ike Washington and Johnny Alston. Top kegler: Ed Gabriel with 189 average. High game: Phil Piacentini, 268. Sweepstake winners: Fred Dick (ball), Ben Plawski (shoes), and Ike Washington (bag).

Hawkeye Mixed league. Winners: Newcomers (L to R) Ed Callaghan, Nada Wittemann, Peg Penny and John Harms. High game: Evelyn Gerdon, 244 average; and Tony Klobukowski, 240. Sweepstake winners: Mike Gallo (ball), Nada Wittemann (shoes), and Ann Stokes (bag).

Gold Mixed league. Winners: Nimrods (L to R) Charlie Pensabene, Marion Pensabene, Joanne Kalinyak, and Stanis Coryell. Top kegler: Richard Xeller with 168 average; and Carol Seymour with 158 average. High game: Rudy Ramcke, 246; and Carol Seymour, 210. Sweepstake winners: Fred Ruprecht (ball), Jack Bayard (shoes), and Amy Blackwell (bag).

Blue Mixed league. Winners: Lil Rascals (L to R) Dennis and Pat Giovannelli, Kathy Hasselbach and John Schmidt. High game: Carl Eden, 255; and Kathy Hager, 224. Most improved bowler: Ston Kosnoski, plus 19 pins; and Rucella McNeil, plus 18 pins. Sweepstake winners: Dennis Giovannelli (ball), Cathy Woebse (shoes), and Linda Warren (bag).

Outpost league. Winners: The Pinheads (L to R) Stan Rakowski, Bernie Poelker, Frank Magri, Ed Homburger and Dick Chiafolo (not pictured.) Top kegler: Herman Boyle with 180 average. High game: Dom Mastantrea, 259. Most improved bowler: George Keirnan, plus 10 pins. Sweepstake winners: Joe Forde (ball), John Zamojcin (shoes), and Ken Bond (bag).

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The following teams, conspicuous by their absence, unfortunately were not captured on film for posterity. They are:

Peconic league. Winners: C.J.'s ... Sy Videlock, Joe Booker, Charlie Niegocki, and Jim Luther. Top kegler: Jim Luther with 180 average. Sweepstake winners: John Morrow (ball), Gene Terkelson (shoes), and Ed Cantrell (bag).

Classic league. Winners: Villians ... Jim New, Mike D'Angelo, Gene Magistro, and John Pica. Top kegler: Al Giacoia with 180 average. High game: Pat Fischetti, 275. Most improved bowler: Ken Wilcockson, plus 17 pins. Sweepstakes winners: Bob Sison (ball), Dick Lundgren (shoes), and Mike Oliva (bag).

Century Mixed league. Winners: Spoilers ... Bob Cozzette, Midge Guss, Marilyn Cozzette and Mark Guss. Top kegler: Marilyn Cozzette and Mark Weisskopf, 174. High game: Pat Martinolich, 214; and Ian Clarkson, 255. Most improved bowler: Margaret Clarkson, plus 11 pins; and Bill Kallansrude, plus 11 pins. Sweepstake winners: Mike Pelehach (ball), Jeanne Kelly (shoes), and Dottie Seto (bag).

Classified league. Winners: Sandbaggers ... Ted Collock, John Herman, Bruce Saidler, and Joe Grant. Top kegler: Bill Ostrosky with 181 average. High game: Chuck Drapeau, 247. Most improved bowler: Gene Dolan, plus 14 pins. Sweepstake winners: Nat Lazzarra (ball), Tony Collura (shoes), and Tom Jew (bag).

Goose league. Winners: Shooters ... George Okvist, Tom Trifaro, Whitey Bodnarchuk, Dan Azzato, and Dan Wasilewicz. Top kegler: Gene Bagnall, 181 average. High game: Ed Oberland, 278. Most improved bowler: Pete Hanning, plus nine pins. Sweepstake winners: Bud Kaufman (ball), Leo Svihura (shoes), and John Lo Duca (bag).

Just for Fun league. Winners: Happy Re-runs ... Pat Zabart, Beverly Pagano and Bernie Ellensohn. Top kegler: Bernie Ellensohn, with 154 average. High game: Joan Reid, 220. Most improved bowler: Margie Jost, plus 11 pins. Sweepstake winners: Margie Jost (ball), Bernie Ellensohn (shoes), and Beverly Pagano (bag).

Great River Nite Owls. Winners: Partners ... Janet Jones, George Severin, and Marty Mueller. Top kegler: Otto Jung, 170; and Vivian Gittens, 151. High game: Ken Ward, 231; and Janet Jones, 196. Sweepstake winners: Cliff Pettignano (ball), Bill Walters (shoes), and Ernie Larsen (bag).

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Black league. Winners: Four Kings (L to R) Bob Klussman, Joe Russo, not pictured: Ted Dija and John O'Hanley. Top kegler: Joe Russo with 182 average. High game: Cecil Hollar, 279. Most improved bowler: Tom Serapiglia, plus 11 pins. Sweepstake winners: Tom O'Connor (ball), Bill Voigt (shoes), and Cecil Hollar (bag).

Trader league. Winners: Free Four plus One (L to R) Ed Gunther, Steve Kish, Dave Evans, Art Kinsley and John Falque (not pictured). Top kegler: Ken Smith with 188 average. High game: Ken Smith, 258. Most improved bowler: Artie Kinsley, plus 14 pins. Sweepstake winners: Steve Kish (ball), Pat O'Leary (shoes), and Paul Terembes (bag).

Red league. Winners: Four Aces (L to R) George Weathers, Joe Vosefski, Joe Kessler and Herb Pirkl. Top kegler: P. Bellies, 187 average. High game: B. Monte and J. Kessler, 254. Most improved bowler: C. Marschessult. Sweepstake winners: D. Rogers (ball), P. Bellies (shoes), and C. Marschessult (bag).

Tuesday Mixed league. Winners: Free Spirits (L to R) Joe Kessler, Marge Cycon, Carol and Joe Glasser. Top kegler: Carol Glasser with 164 average. High game: Don Eviers, 257; and Pat Debbie, 225. Most improved bowler: Dan Seit, plus 17 pins; and Mildred Finnochio, plus 16 pins. Sweepstake winners: Linda Lupario (ball), Hal Ennis (shoes), and Carol Glasser (bag).

Aerospace league. Winners: Four Four (L to R) Ed Lomot, Will Smith, Stan Michalowski, and Urban Kues. Top kegler: Dan Aquilino with 183 average; High game: Dan Aquilino, 247. Most improved bowler: Cardell McQueen, plus 22 pins. Sweepstake winners: Bill McKinnon (ball), Rich Dietz (shoes), and John Walker (bag).

E-2C Hawkeye Mixed league. Winners: Swingers (L to R) Debbie Kearsch, Frank Smalton, Ellen Trapp and Mike Giovannello (not pictured). High game: Ted Lindblad, 245; and Joan McCue, 229. Most improved bowler: Gary Bush, plus 42 pins; and Mary Jeczewski, plus 35 pins. Sweepstake winners: Marilyn Lindblad (ball), Ray Sutton (shoes), and Mary Ann McGowan (bag).

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Patchogue Mixed league. Winners: Oldies But Goodies ... John and June Erickson, Dot von Glam, and Mickey Garrett. Top kegler: Dave Struller, 175 average. High game: Harold Zeller, 235; and June Erickson, 220. Most improved bowler: Gary Ferrone, plus 10 pins; and Donna Patanjo, plus seven pins. Sweepstake winners: Marty Koop (ball), Val Lindstrom (shoes), and Gene Burgess (bag).

Structural Test league. Winners: Number One (L to R) Ed Gabriel, Dom Pagnozzi, Sal Barcia, and Bill Diercks. Top kegler: Ed Gabriel with 189 average. High game: Richard Meehan and Joe Militello, 256. Most improved bowler: John Aris, plus 12 pins. Sweepstake winners: Arthur Piampiano (ball), Joe Militello (shoes), and John Mahoney (bag).

Outsiders league. Winners: Puss and Boots ... Kathy Lucas, Diane Fagiolo, Bob Twachtmann, and Frank Berardino. Top kegler: Kathy Leykum, 156; and Angelo Giachetti, 164 average. High game: Joe D'Anna, 247; and Toni Respol, 224. Sweepstake winners: Jane Fogle (ball), Lottie Lewis (shoes), and Charlie Lane and Bill Brown (bag).

Calverton Nite Owls. Winners: Sportsmen ... (L to R) Ernie Pennino, George Roelsh, Charles Rollins, Pat Perrone, and Charlie Krump. Jerry D'Andrea, 245. Sweepstake winners: Phil Lopinto (ball), Ray Mertz (shoes) and Bill Carpenter (bag).

Friday Nite Mixed league. Winners: Little Rascals (L to R) John Clark, Dick Dickerson, Donna Birkel, and Gary Slater. Top kegler: Joan Bodensky with 157 average; and Gordon Bell with 174 average. High game: Joan Bodensky, 240; and Tom Meyer 250. Most improved bowler: Patricia van Eron, plus 28 pins. Sweepstake winners: Edward Scott (ball), Danny Weinstein (shoes), and Tony Rivello (bag).

Syosset Nite Owl league. Winners: Great River (L to R) Louis Robinson, Ruby Miller, Rudy Dunkley and Walter Murphy (not pictured). Top kegler: Rudy Dunkley with 176 average and Lynne Lund with 155 average. High game: Rudy Dunkley, 259; and Lynne Lund, 214. Most improved bowlers: Lorraine Foire, plus seven pins and Charley Cushman, plus 11 pins. Sweepstake winners: Paul Peterson (ball), Barbara Niemczyk (shoes), and Bill Buchman (bag).

Great River Guys and Dolls. Winners: No. 6 (L to R) Susan Bookman, Linda Bookman, John Zito, and Ken Grunenberg. Top kegler: Rick Sinniger with 179 average and Peg Kolody with 159 average. High game: Peggy Zarnay, 215; and John Neville, 257. Sweepstake winners: Hank Julie (ball), Cindy McKendrick (shoes), and Kay Frank (bag).

Minsky, Alverson stand out in varsity tee squad trials

"I don't recall two golfers during the varsity trials ever shooting in the low 220's," states Mike Cherry, Grumman varsity coach for over 18 years.

Jim Minsky and Jim Alverson shot totals of 221, and 223, respectively, in the three-round 18-hole varsity trials, held at Bethpage State Park. Judging from their record tallies, Grumman should have little problem on the road to its 16th L.I. Industrial league title.

Both Minsky and Alverson led the pack of 34 varsity hopefuls since the opening round. Minsky registered a 70, while Alverson was three strokes right behind him. Steve Lake (76), Bob Chalus (76), and Forrest White (78) also shot in the seventies.

After the second 18-hole round, Minsky was still in first place, thanks to his score of 76 for a total of 146. Alverson and Chalus also registered a 76, but it was Tony Cisco who submitted the best score of the day with a 73. That effort put Cisco in fourth place going into the final round.

The top four didn't relinquish their positions on the last night of play. On the Black course at Bethpage, Minsky shot 75; Alverson, 74; Chalus 86; and Cisco, 86. They will play on Grumman's number one squad this season.

The members of the number two squad are: Steve Lake, Joe Gambino, Forrest White, and Ken Prager. All eight varsity members are returning veterans.

First round results were:

Jim Minsky, 70; Jim Alverson, 73; Steve Lake, 76; Bob Chalus, 76; Forrest White, 78; Tony Cisco, 80; Bill Heartt, 80; Tony Uravitch, 80; Jim Herzberg, 81; Tom Fitzgerald, 81; Joe Gambino, 81; Bob Amott, 81; Vin Annunziata, 81; Gene Goltz, 81; Perry DiMattia, 82; Bill Bartoszak, 83; Stan Zolek, 83; Gary Brown, 84; Don Waller, 84; Bill Paul, 84; Ken Prager, 84; Richard Brown, 84.

Jack Singer, 85; John Morrison, 85; Caesar Roscigno, 85; Al Herring, 86; Steve Pabst, 87; Mike Graziano, 89; Tom Szwejkowski, 94; Bill Lockwood, 95; Bruce Hurley, 95; John Giusto, 95; Hugh Donovan, 96; Bruce Ybegg, 100.

Second round results were:

Minsky, 76-146; Alverson, 76-149; Chalus 76-152; Cisco, 73-153; Lake, 82-158; White 81-159; Goltz, 81-162; Fitzgerald, 82-163; Gambino, 82-163; Annunziata, 82-163; Prager, 82-166; Heartt, 86-166; Bartoszak, 84-167; Herzberg, 86-167; Amott, 87-168; DiMattia, 86-168.

Non-qualifiers: Waller, 85; Paul, 85; Morrison, 85; R. Brown, 86; Pabst, 84; Herring, 85; G. Brown, 88; Zolek, 89; Roscigno, 88; Singer, 88; Hurley, 84; Giusto, 89; Donovan, 90; Lockwood, 98.

Other third round results were:

Lake, 82-240; Gambino, 81-244; White, 88-247; and Prager, 83-249.

Non-qualifiers: DiMattia, 82-250; Goltz, 90-252; Fitzgerald, 89-252; Bartoszak, 85-252; Heartt, 86-252; Amott, 87-255; Herzberg, 89-256; and Annunziata, 94-257.

Fearsome foursome. *Out on the green, clubs in hand, are (left to right): Bob Chalus, Tony Cisco, Jim Alverson and Jim Minsky.*

Retiree note

The newest chapter of the GAA Retiree Club got off to a good start recently. At the Ramada Inn in Port Charlotte, Florida, 34 retirees and 25 spouses gathered to form The Southwest Chapter of Florida.

The following Grummanites were nominated for office: Walter Baldwin, president; Muzzy Muczenski, vice president; Naomi Baldwin, treasurer; Eunice Gresser, secretary; and Henry Fredrickson, sergeant-at-arms.

If you are interested in joining the chapter, contact Walter Cereoli, 376 Brigantine Blvd., North Fort Myers, Florida 33903; telephone no. (813) 997-2562.

Picnic tix on sale June 18

Saturday, July 14 is the really BIG day, the day of the 38th Annual Grumman family picnic at Calverton.

Charlie Fuschillo, director of Employee Services, estimates that 40,000 people will attend the annual event which began in 1939. (The picnic was cancelled during World War II gas-rationing years of 1943-1945.)

As in years past, there will be many activities for children of all ages at the Calverton picnic grounds. Races, dancing, games and sports, beer, soda, hot dogs and the annual kiddie boxing show follows the flag raising ceremonies at 10 a.m. The Grumman Employee Band will also be on hand to provide continuous dance music. Door prizes will be awarded and for sports watchers, an exhibition softball game is on tap.

Admission is still $3 per person and children under 12 are admitted free. Tickets go on sale Monday, June 18, at all ESO offices. No tickets will be sold at the gate. More information on the picnic will appear in the next edition of Plane News.

Lee, Linnell, Zazeski singles champs; Watson stands out in paddle play

John Lee, after dropping the first game of the championship match of the GAA Bethpage table tennis tournaments to Clint Watson 18-21, rebounded with 21-17, 21-13, and 21-8 victories to win the top prize during the men's Bethpage "A" singles finals.

Other singles winners were Diane Linnell, the women's titalist, and Dave Zazesky, the champ at Calverton.

The tournaments produced two three-trophy winners: Clint Watson and Diane Linnell.

Over 80 table tennis enthusiasts participated in the 1979 championships, held from February to April in the Plant 30 cafeteria. Other trophy winners (first and second place, respectively) in the Bethpage tourneys were:

"A" singles: John Lee defeated Clint Watson, 18-21, 21-17, 21-13, 21-8.

"B" singles: Bob Jasinkonis outscored Marty Finkelman, 21-15, 21-19.

"C" singles: Don Daniels won his match against Sal Gitto, 21-15, 21-16.

Women's singles: Dianne Linnell beat Bella Cherry, 21-15, 21-16.

"A" doubles: John Lee and Clint Watson defeated Steve Lake and Tony D'Ambrosio, 21-19, 21-18.

"B" doubles: Larry Horowitz and Bob Jasinkonis outscored George Parent and Art Thomasson, 21-13, 21-18.

"C" doubles: Bill Snekenberg and Joe Rietschlein beat the duo of Pat Masterson and Diane Linnell, 21-19, 21-16.

Mixed doubles: Jan Erickson and Clint Watson won their match against Diane Linnell and Pat Masterson, 21-17, 21-15.

At Calverton Operations, Dave Zazeski captured both the single and doubles championships in the "A" division. Out of the field of 32 entrants, Zazeski and Butch Kruse earned a slot in the 1979 finals of the "A" singles competition. Zazeski beat Kruse in two straight sets, 21-6, 21-13.

In doubles play, Zazeski teamed with Charles Tyler. Ed Clarke and Rudy Novissimo had little luck in the finals against the Zazeski-Tyler team; they lost 11-21, and 15-21.

In "B" division play, it took the winners longer to post a victory. In the double elimination singles tourney, Joe Palazzo rose out of the losers' bracket to beat undefeated Ernie Albizu, 21-18, 21-16. In the final showdown, Palazzo continued on his winning streak and claimed the "B" championship by beating Albizu, 21-18, 21-19, 22-20.

Palazzo had trouble in the "B" doubles competition though. Teamed with Joe Wagner, he was bumped out of a slot for the finals by the Jim Lewis-Bill Schmitz duo. Meanwhile, Hank Steier and Bernie Baake were undefeated going into the final round. They didn't slow their pace and won the best-of-three series against Lewis and Schmitz, 23-21, 18-21, 21-18.

At Calverton

In Nite Owl competition at Calverton, George Cordes won the singles crown by knocking off Ken Ball in the finals. In doubles play, Rick Schoemmell and Ralph Bonness combined forces to defeat Ken Ball and Dave Olejnkzak for the 1979 Nite Owl championship.

From the outset of the Plant 36 table tennis tournament, it looked like Frank Leach was a winner. In the semi-finals, he took on Phil Gress and handed him his first defeat, 21-11, 21-18. But Gress rose out of the losers' bracket for one more shot at the undefeated Leach.

It took Leach a little longer to dispose of Gress this time, but he managed to claim the 1979 Plant 36 title with scores of 21-18, 21-18 in the finals.

Calverton conquerors. *In the annual GAA table tennis tourneys, these Grummanites recently won trophies: (L to R) front row - "A" division winners, Charles Tyler, Dave Zazeski, and Ed Clark; back row - "B" division champs, Jim Lewis, Bill Schmitz, Hank Steier, Ernie Albizu, and Joe Pallazzo.*

GAA: olé!

GAA is offering a special Thanksgiving trip to Cancun, Mexico. The November 17-24 vacation package includes: round-trip transportation via Pan Am; airport/hotel transfer; seven nights accomodations at the Hotel Playa Blanca; services of a tour escort; breakfast and dinner daily; and U.S. and Mexican departure taxes.

The entire trip package cost is based upon occupancy per room: single, $624 per person; double, $499 per person; and triple, $489 per person.

Grummanites, retirees, family members and friends are invited to sign up. Reservations will be taken on Monday, June 25, at 5:30 p.m. in the Plant 28 lobby. A $100 deposit per person is required at this time. Please make check payable to: St. James Travel Center, Inc.

Tops in table tennis *trophy winners in the 1979 GAA Bethpage table tennis tourneys are: (L to R) front row: Pat Masterson, Bob Jasinkonis, John Lee, Jan Erickson, Diane Linnell, Bella Cherry, Steve Lake, Bill Snekenberg, commissioner Frank Malone; back row: Herb Mahoney of GAA, Fred Danner, George Parent, Art Thomasson, Clint Watson, Marty Finkelman, Don Daniels, Tony D'Ambrosio, Joe Rietschein.*

Flower power. *Garden show winners are (L to R) Mike Smith, Gerry Berman, Grumman Corporation Chairman Jack Bierwirth, Kay Treska, Chuck Belensky, Jo Monza, Barbara Lorelli, Frank Sadowski; Kneeling (L to R) Ed Ellison, Dot Kappenberg. (Photo by Marie Trimborn)*

Daffodil out-dazzles them all to take flower show honors

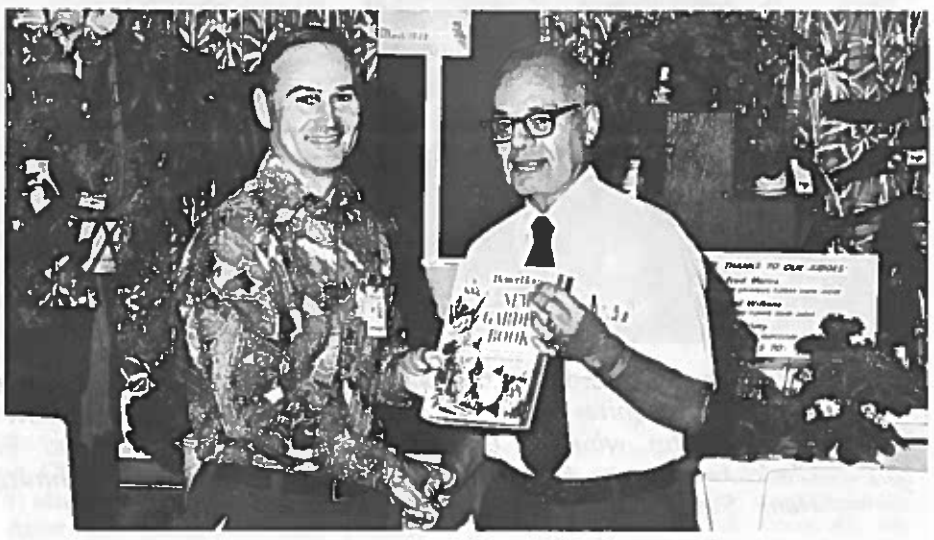
Gerald Berman, a facilities engineer in Plant 30, took top honors at the Grumman Garden Forum's Annual Spring Flower Show held Wednesday, April 9, in the Plant 5 cafeteria. Berman's entry, a double flowered daffodil named "The White Lion," caught the judges' attention from among 223 other entries.

The award was Berman's first best-in-show win although he has been entering the Grumman competition for the past eight years. Berman expressed surprise at being selected. "It is unusual," he explained, "that a daffodil be chosen the winner in a show with so many tulips."

Berman enjoys tilling the soil on weekends and is certain that his methods produce healthier, more attractive plants. Berman attributes his success to his own style of organic gardening. Berman fertilizes his garden with kitchen parings, and uses no chemicals or harmful insecticides.

First-place winners received Early American Liberty Bell reproductions. Second - and third - place winners received Employee Services gift certificates. Top winners (in order of their placement) in each category were:

Single Tulip - Mike Smith, first and second prizes, Seymour Winkler, Harry Zvonik; *Single Parrot Tulip* - Chuck Belensky, Mike Gabriel, Harry Zvonik, Mike Smith; *Novice Class Single Tulip* - Barbara Lorelli, R. Kramisen, Sima Miluschena; *Single Narcissus* - George Berman, Norma Rooney, Joseph Mainhardt; *Single Seasonal Bloom* - Frank Sadowski, Joseph Gregg, Anne Prochoroff, Sonia Teresko, Kay Trestka; *Tulip Collection* - Mike Smith, Alice Miller, Margaret Sanfilippo, Mike Smith, Carolina Taibbi; *Houseplants* - Joe Monza, Carolina Taibbi, David Ruppel, Dick Imgram, Joan Bodensky; *Hanging Baskets* - Dot Kappenberg, Paul Hookey, Barb Spanske; *Seasonal Collection* - Kay Trestka, Mado Lamovnette, Lillian Nigro, Frank Sadowski; *Arrangements* - Ed Ellison, Karl Hagen, Dot Kappenberg, Vivian Mobilio, Tom Cassino.



Orchids from the winner. *Robert Woodwell (L) won the overall best-of-show award for his orchid entry at the annual Flower and Garden Show held at Stuart Operations recently. Woodwell, a foreman in the Wings/Weapons Department at Plant 77, was presented with a gardening book as a prize by Vice President Ed Dalva, general Manager of Stuart Operations. Runner-up for best-of-show was Tony Reheiser for his entry of African violet. The judges also chose as first prize winners: Lee Bell, aralia, African violet, and pony tail; Maxine Kitay, night blooming cereus, begonia and cactus; Charlene Castagnero, jade plant; Mike Coletti, African violet; Mickey Sweeney, staghorn; Angela Camisa, dieffenbachia; and Violet Zambriski, fern. (Photo by Jim Spade)*

obituaries

FRANK C. COLAROSSI of Matl. Acct., Plant 30, died May 10 at the age of 51. He had been with the company since 1965 and resided at 1030 North Fulton Ave., Lindenhurst.

Personals

On behalf of my children and myself, I wish to express my sincere thanks, to all my husbands' many friends, co-workers and Employee Services for their kind expressions of thoughtfulness and sympathy during his recent illness and death. **The Staak Family**

We wish to express our deep gratitude to our friends, co-workers and Employee Services for their kindness and thoughtfulness during our recent loss. **The Zeltmann Family**

I wish to thank all my friends, fellow employees and Employee Services for the understanding and thoughtfulness shown to me during the recent loss of my mother. **Walt Kucharski**

I wish to thank my friends, co-workers and Employee Services for their thoughtfulness during my convalescense. **Alice E. Lee**

My family and I wish to thank our many friends, co-workers, and Employee Services for the expression of sympathy during the recent loss of my father. **Eugene Watson**

My family and I wish to thank my co-workers and Employee Services for their expressions of kindness and sympathy during the recent loss of my mother. **Bill Hammel**

We would like to thank all our friends and co-workers for their kindness and thoughtfulness on the recent loss of our beloved sister Jennie Tucciarone. **Lucy and Nelson Giordano**

Many thanks to my friends and Employee Services for their kindness and sympathy during the recent loss of my wife. **Barry Bell**

Musicians needed

The Grumman Rock Band is looking for potential members. If you're an experienced musician (especially if you play trumpet, guitar, or keyboard) call John Hulse on Ext. 4077.

GRUMMAN plane news

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